

JUN 21 2002

RECEIVED

SHEET 1 OF 3

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO: LEY = 1 JUL 11 2002

SERIAL NO: 08/849,406

LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: LEY, et al

TECH CENTER 1600/2900

FILING DATE: June 21, 1999

GROUP: 1652

U.S. PATENT DOCUMENTS (include at least patentee, patent number and issue date)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROP.

FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (include author, title, name of publication, volume, pages & date of publication)

AA	ALBRECHT, et al., <u>Elastase Inhibition by the Inter-α-Trypsin Inhibitor and Derived Inhibitors of Man and Cattle</u> , HOPPE-SEYLER'S Z. PHYSIOL. CHEM., vol. 364, pgs. 1703-1708, December 1983.
AB	ALBRECHT, et al., <u>Kunitz-Type Proteinase Inhibitors Derived by Limited Proteolysis of the Inter-α-Trypsin Inhibitor, IX⁽¹⁻⁸⁾</u> , HOPPE-SEYLER'S Z. PHYSIOL. CHEM., vol. 364, pgs. 1697-1702, December 1983.
AC	BECKMANN, et al, <u>Preparation of chemically 'mutated' aprotinin homologues by semisynthesis P1 substitutions change inhibitory specificity</u> , EUR. J. BIOCHEM., vol. 176, pgs. 675-82, 1988.
AD	BLOW, et al., <u>A Model for the Association of Bovine Pancreatic Trypsin Inhibitor with Chymotrypsin and Trypsin</u> , J. MOL. BIOL., vol. 69, pgs. 137-144, 1972.
AE	BRINKMANN, et al., <u>Design of an Aprotinin Variant with Inhibitory Activity against Chymotrypsin and Cathepsin G by Recombinant DNA Technology</u> , BIOL. CHEM. HOPPE-SEYLER, vol. 371, suppl., pgs. 43-52, May 1990.
AF	CANTOR, et al., <u>Elastin and Elastases in Lung Disease</u> , ELASTIN AND ELASTASES, vol. II, pgs. 159-168, 1989.
AG	CHEN, et al., <u>Identification of a Factor in Fetal Bovine Serum That Stabilizes the Cumulus Extracellular Matrix</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 267, no. 17, pgs. 12380-12386, June 15, 1992.
AH	DIARRA-MEHRPOUR, et al., <u>Structural analysis of the human inter-α-trypsin inhibitor light-chain gene</u> , EUR. J. BIOCHEM., vol. 191, pgs. 131-139, 1990.
AI	DUFTON, Mark J., <u>Proteinase inhibitors and dendrotoxins</u> , EUR. J. BIOCHEM., vol. 153, pgs. 647-654, 1985.
AJ	ENGHILD, et al., <u>Chondroitin 4-Sulfate Covalently Cross-links the Chains of the Human Blood Protein Pre-α-inhibitor</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 266, no. 2, pgs. 747-751, January 15, 1991.
AK	ENGHILD, et al., <u>Presence of the Protein-Glycosaminoglycan-Protein Covalent Cross-link in the Inter-α-inhibitor-related Proteinase Inhibitor Heavy Chain 2/bikunin</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 268, no. 12, pgs. 8711-8716, 1993.
AL	ENGLEBERG, et al., <u>DNA Sequence of mip, a Legionella pneumophila Gene Associated with Macrophage Infectivity</u> , INFECTION AND IMMUNITY, vol. 57, no. 4, pgs. 1263-1270, April 1989.
AM	ESCRIBANO, et al., <u>Location and characterization of the three carbohydrate prosthetic groups of human protein HC</u> , FEBS LETTERS, vol. 266, no. 1,2, pgs. 167-170, June 1990.
AN	ESCRIBANO, et al., <u>The Protein HC Chromophore Is Liked to the Cysteine Residue at Position 34 of the Polypeptide Chain by a Reduction-resistant Bond and Causes the Charge Heterogeneity of Protein HC</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 266, no. 24, pgs. 15758-15763, August 25, 1991.
AO	GEBHARD, et al., <u>Inter-α-trypsin inhibitor and its close relatives</u> , BARRETT AND SALVESEN (EDS.) PROTEINASE INHIBITORS, chapter 11, pgs. 388-401, 1986.
AP	GIRARD, et al., <u>Functional significance of the Kunitz-type inhibitory domains of lipoprotein-associated coagulation inhibitor</u> , LETTERS TO NATURE, vol. 338, pgs. 518-520, April 6, 1989.
AQ	GOLDSTEIN, et al., <u>Lysosomal Enzymes from Polymorphonuclear Leukocytes and Proteinase Inhibitors in Patients with Cystic Fibrosis</u> , AM. REV. RESPIR. DIS., vol. 134, pgs. 49-56, 1986.

EXAMINER

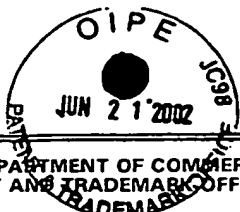
DATE CONSIDERED

EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

JUN 25 2002

TECH CENTER 1600/2900



RECEIVED

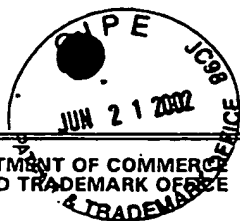
SHEET 2 OF 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO: LEY = 1A		JUL 11 2002		SERIAL NO: 08/849,406	
LIST DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: LEY, et al. TECH CENTER 1600/2900			
FILING DATE: June 21, 1999				GROUP: 1652			
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)							
WMM	AR	HEIDTMANN, et al., <u>Human α_1-proteinase inhibitor</u> , BARRETT AND SALVESEN (EDS.) PROTEINASE INHIBITORS, chapter 14, pgs. 441-456, 1986.					
WMM	AS	HOCHSTRASSER, et al., <u>Kunitz-Type Proteinase Inhibitors Derived by Limited Proteolysis of the Inter-α-Trypsin Inhibitor</u> , <u>VII⁽¹⁻⁶⁾</u> , HOPPE-SEYLER'S Z. PHYSIOL. CHEM., vol. 362, pgs. 1357-1362, October 1981.					
WMM	AT	HOCHSTRASSER, et al., <u>Kunitz-Type Proteinase Inhibitors Derived by Limited Proteolysis of the Inter-α-Trypsin Inhibitor</u> , <u>VIII⁽¹⁻⁶⁾</u> , HOPPE-SEYLER'S Z. PHYSIOL. CHEM., vol. 364, pgs. 1679-1687, December 1983.					
WMM	AU	HOCHSTRASSER, et al., <u>Kunitz-Type Proteinase Inhibitors Derived by Limited Proteolysis of the Inter-α-Trypsin Inhibitor</u> , <u>VIII⁽¹⁻⁷⁾</u> , HOPPE-SEYLER'S Z. PHYSIOL. CHEM. vol. 364, pgs. 1689-1696, December 1983.					
WMM	AV	HOCHSTRASSER, et al., <u>Kunitz-Type Proteinase Inhibitors Derived by Limited Proteolysis of the Inter-α-Trypsin Inhibitor</u> , <u>X⁽¹⁾</u> , BIOL. CHEM., vol. 366, pgs. 473-478, May 1985.					
WMM	AW	HYNES, et al., <u>X-ray Crystal Structure of the Protease Inhibitor Domain of Alzheimer's Amyloid β-Protein Precursor</u> , BIOCHEMISTRY, vol. 29, pgs. 10018-10022, 1990.					
WMM	AX	KAUMEYER, et al., <u>The mRNA for a proteinase inhibitor related to the HI-30 domain of inter-α-trypsin inhibitor also encodes α-1-microglobulin (protein HC)</u> , NUCLEIC ACIDS RESEARCH, vol. 14, no. 20, pgs. 7839-7850, 1986.					
WMM	AY	LASKOWSKI, et al., <u>Protein Inhibitors of Proteinases</u> , ANN. REV. BIOCHEM., vol. 49, pgs. 593-626, 1980.					
WMM	AZ	LINDQVIST, et al., <u>Bovine α_1-microglobulin/bikuni. Isolation and characterization of liver cDNA and urinary α_1-microglobulin</u> , BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1306, pgs. 98-106, 1996.					
WMM	BA	LOPEZ, et al., <u>Human protein HC displays variability in its carboxyl-terminal amino acid</u> , FEBS LETTERS, vol. 144, no. 2, pgs. 349-353-, August 1982.					
WMM	BB	MCELVANEY, et al., <u>Aerosol α1-antitrypsin treatment for cystic fibrosis</u> , THE LANCET, vol. 337, pgs. 392-394, February 16, 1991.					
WMM	BC	MORELLE, et al., <u>Chondroitin sulphate covalently cross-links the three polypeptide chains of inter-α-trypsin inhibitor</u> , EUR. J. BIOCHEM., vol. 221, pgs. 881-888, 1994.					
WMM	BD	MORII, et al., <u>The Reactive Site of Human Inter-α-Trypsin Inhibitor is in the Amino-Terminal Half of the Protein</u> , BIOL. CHEM. HOPPE-SEYLER, vol. 366, pgs. 19-21, January 1985.					
WMM	BE	NAKAO, et al., <u>sc-39026, A Specific Human Neutrophil Elastase Inhibitor</u> , BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 147, no. 2, pgs. 666-674, September 15, 1987.					
EXAMINER <u>William W. Minor</u>				DATE CONSIDERED <u>1 June 2005</u>			
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.							

RECEIVED

JUN 25 2002

TECH CENTER 1600/2900



RECEIVED

JUL 11 2002

SHEET 3 OF 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO: LEY = 1A		SERIAL NO: 08/849,406
LIST DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		TECH CENTER 1600/2900		
		APPLICANT: LEY, et al.		
		FILING DATE: June 21, 1999		GROUP: 1652
OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)				
WUM	BF	ØDUM, Lars, <u>Inter-α-Trypsin Inhibitor: A Plasma Proteinase Inhibitor with a Unique Chemical Structure</u> , INT. J. BIOCHEM, vol. 22, no. 9, pgs. 925-930, 1990.		
WUM	BG	OTIN, et al., <u>The Complete Amino Acid Sequence of Human Complex-Forming Glycoprotein Heterogeneous in Charge (Protein HC) from One Individual</u> , ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol. 228, no. 2, pgs. 544-554, February 1, 1984.		
WUM	BH	REISINGER, et al., <u>Human Inter-α-Trypsin Inhibitor: Localization of the Kunitz-Type Domains in the N-terminal Part of the Molecule and their Release by a Trypsin-Like Proteinase</u> , BIOL. CHEMISTRY HOPPE-SEYLER, vol. 366, pgs. 479-483, May 1985.		
WUM	BI	SALIER, Jean-Philippe, <u>Inter-α-trypsin inhibitor: emergence of a family within the Kunitz-type protease inhibitor superfamily</u> , TIBS, vol. 15, pgs. 435-439, November 1990.		
WUM	BJ	SELLOUM, et al., <u>The Effect of the Glycosaminoglycan Chain Removal on some Properties of the Human Urinary Trypsin Inhibitor</u> , BIOL. CHEM. HOPPE-SEYLER, vol. 368, pgs. 47-55, January 1987.		
WUM	BK	SINHA, et al., <u>Conversion of the Alzheimer's β-Amyloid Precursor Protein (APP) Kunitz Domain into a Potent Human Neutrophil Elastase Inhibitor</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 266, no. 31, pgs. 21011-21013, November 5, 1991.		
WUM	BL	SNIDER, et al., <u>Putative Role of Neutrophil Elastase in the Pathogenesis of Emphysema</u> , ANNALS NEW YORK ACADEMY OF SCIENCES, vol. 624, pgs. 45-59, 1991.		
WUM	BM	SWAIM, et al., <u>Modification of the tandem reactive centres of human inter-α-trypsin inhibitor with butanedione and cis-dichlorodiammineplatinum (II)</u> , BIOCHEM. J., vol. 254, pgs. 171-178, 1988.		
WUM	BN	TAKAGI, et al., <u>Complete Amino Acid Sequence of Human α_1-Microglobulin</u> , BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 98, no. 4, pgs. 997-1001, February 27, 1981.		
WUM	BO	TRABONI, et al., <u>Sequence of a full length cDNA coding for human protein HC (α_1microglobulin)</u> , NUCLEIC ACIDS RESEARCH, vol. 14, no. 15, pg. 6340, August 1986.		
WUM	BP	TSCHESCHE, et al., <u>Semisynthetic engineering of proteinase inhibitor homologues</u> , BIOCHIMICA ET BIOPHYSICA ACTA, vol. 913, pgs. 97-101, 1987.		
WUM	BQ	VETR, et al., <u>Structure of the Human α_1-Microglobulin-Bikunin Gene</u> , BIOL. CHEM. HOPPE-SEYLER, vol. 371, pgs. 1185-1196, December 1990.		
WUM	BR	WEISS, Stephen J., <u>Tissue Destruction by Neutrophils</u> , THE NEW ENGLAND JOURNAL OF MEDICINE, vol. 320, no. 6, pgs. 365-376, February 9, 1989.		
WUM	BS	WUN, et al., <u>Cloning and Characterization of a cDNA Coding for the Lipoprotein-associated Coagulation Inhibitor Shows That It Consists of Three Tandem Kunitz-type Inhibitory Domains</u> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 263, no. 13, pgs. 6001-6004, May 5, 1988.		
WUM	BT	XU, et al., <u>The Crystal Structure of Bikunin from the Inter-α-Inhibitor Complex: A Serine Protease Inhibitor with Two Kunitz Domains</u> , J. MOL. BIOL., vol. 276, pgs. 955-966, 1998.		
WUM	BU	GEBHARD, et al., <u>Structure of Inter-α-Inhibitor (Inter-α-Trypsin Inhibitor) and Pre-α-Inhibitor: Current State and Proposition of a New Terminology</u> , BIOL. CHEM. HOPPE-SEYLER, vol. 371, Suppl., pgs. 13-22, May 1990.		
EXAMINER		DATE CONSIDERED 1 June 2005		
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

G:\BMP\pro\Ley1\AVPTO1449.WPD

RECEIVED

JUN 25 2002

TECH CENTER 1600/2900